

**U.S. ARMY ENGINEER DISTRICT, NEW ENGLAND  
CORPS OF ENGINEERS  
696 Virginia Road  
Concord, Massachusetts 01742-2751**

*Mailed  
13:00*

Sept 14, 2007 ✓

CENAE-EP-DS (11-2-240a)

MEMORANDUM FOR: See Distribution

SUBJECT: Results of Survey

1. In accordance with department regulations there is enclosed a drawing showing results of survey in the following Federal project:

Portland Harbor - Portland, ME

2. Controlling depth information for the above project is shown on the enclosed copy of navigation and chart data.

FOR THE COMMANDER:

*for William Walker*  
STEPHEN A. JOHNSTON  
Chief, Survey Section

2 Enclosures:

1. ENG Form 4020-R
2. Dwg. No. 2632

DISTRIBUTION:

JOHNSTON  
PROOFREAD

GENERAL

Chief Operations Division, Lyn Preston, Nautical Data Branch/NOAA, N/C26, Station 7350  
1315 East-West Highway, Silver Springs, MD 20910-3282 - 1 copy of drawing, 1 copy of form

USCG Cutter Willow, LT JG Chmielecki - NETC Pier 2 – ATTN: Desiree Atnip, Newport,  
RI 02841 – 1 copy of drawing, 1 copy of form

Capt. E. Howard McVay Jr. - Northeast Marine Pilots Incorporated, 243 Spring Street,  
Newport, RI 02840 – 1 copy of drawing,

Kevin J. Blount Chief, Waterways Management & Marine Information Section – First Coast  
Guard District 1 (oan) - 408 Atlantic Ave. Boston, MA 02110 – 3350

1 copy of drawing, 1 copy of form

## MAINE

U.S. Army Corps of Engineers, LeeAnn B. Neal Maine Project Office, 675 Western Ave. # 3  
Manchester, ME 04351

Kevin Rousseau - Federal Consistency/Dredging Coordination – State Planning Office –  
16 State House Station 38 - Augusta. ME 04333-0016

## PORTSMOUTH HARBOR/PISCATAQUA RIVER

Captain Dick Holt, Portsmouth Pilots, P.O. BOX 72, Portsmouth, NH 03802 - 1 copy of  
drawing, 1 copy of form

**REPORT OF CHANNEL CONDITIONS  
400 FEET WIDE OR GREATER  
(ER 1130-2-316)**

PAGE 1 OF 1 PAGES

DATE: Sept. 14, 2007

T0:

**FROM: U.S. Army Corps of Engineers  
New England District  
696 Virginia Road  
Concord, MA. 01742-2751**

RIVER/HARBOR NAME AND STATE: Portland Harbor, Portland, ME.

Dwg. No. 2632, Sheets 1-2 of 2, Dated 14 September 2007

MINIMUM DEPTHS IN  
CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
<b><u>CONDITION SURVEY</u></b>								
<b><u>30-Foot Anchorage</u></b>								
East of Fish Point (about 1,295' seaward of Buoy Fl G-1 upstream about 5,750' to Limit of Approach Channel)	03/06		263 acres	30.0		(1) 25.0	South Portion	
						(2) 20.0	North Portion	
<b><u>30-Foot Approach Channel</u></b>								
Thence upstream about 2,515' to the vicinity of Buoy RN-6	03/06	885 to 665 to 300 to 400 to 300	.41	30.0	(3) 15.3	(3) 14.9	(3) 14.9	(3) 14.8

**GENERAL NOTE:** The information shown on this sheet(s) represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

**FOOT NOTES:**

- (1). Except for shoaling to 23.8' within about 250' of west anchorage limit from about 100' seaward to about 400' upstream of Buoy Fl G-1 in the vicinity of Fish Point.
- (2). Except for shoaling to 19.3' within 150' along north anchorage limit from about 300' to 1,400' upstream of Buoy RN-4.
- (3). Survey portion of Approach Channel in about 2,515' upstream from the northern end of the 30-foot Anchorage; for continuation of survey see Drawing No. 2553.

**U.S. ARMY ENGINEER DISTRICT, NEW ENGLAND  
CORPS OF ENGINEERS  
696 Virginia Road  
Concord, Massachusetts 01742-2751**

May 25, 2007

CENAE-EP-DS (11-2-240a)

MEMORANDUM FOR: See Distribution

SUBJECT: Results of Survey

1. In accordance with department regulations there is enclosed a drawing showing results of survey in the following Federal project:

Portland Harbor, ME

2. Controlling depth information for the above project is shown on the enclosed copy of navigation and chart data.

FOR THE COMMANDER:

STEPHEN A. JOHNSTON  
Chief, Survey Section

2 Enclosures:

1. ENG Form 4020-R
2. Dwg. No. 2642



JOHNSTON  
PROOFREAD

DISTRIBUTION:

GENERAL

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1315 East-West Highway, Silver Springs, MD 20910-3282 - 1 copy of drawing, 1 copy of form

USCG Cutter Willow, LT JG Chmielecki - NETC Pier 2 – ATTN: Desiree Atnip, Newport,  
RI 02841 – 1 copy of drawing, 1 copy of form

Capt. E. Howard McVay Jr. - Northeast Marine Pilots Incorporated, 243 Spring Street,  
Newport, RI 02840 – 1 copy of drawing,

Kevin J. Blount Chief, Waterways Management & Marine Information Section – First Coast  
Guard District 1 (oan) - 408 Atlantic Ave. Boston, MA 02110 – 3350  
1 copy of drawing, 1 copy of form

## MAINE

U.S. Army Corps of Engineers, LeeAnn B. Neal Maine Project Office, 675 Western Ave. # 3  
Manchester, ME 04351

Kevin Rousseau - Federal Consistency/Dredging Coordination – State Planning Office –  
16 State House Station 38 - Augusta. ME 04333-0016

**REPORT OF CHANNEL CONDITIONS  
400 FEET WIDE OR GREATER  
(ER 1130-2-316)**

PAGE 1 OF 1 PAGES

DATE: May 25, 2007

T0:

FROM: U.S. Army Corps of Engineers  
New England District  
696 Virginia Road  
Concord, MA. 01742-2751

RIVER/HARBOR NAME AND STATE: Portland Harbor, ME.  
Dwg. No. 2642, Sheets 1-2 of 2, Dated May 25, 2007

MINIMUM DEPTHS IN  
CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
<b><u>CONDITION SURVEY</u></b>  <b><u>45-Foot Main Ship Channel</u></b>  From about 1,500' seaward of Buoy R & W GONG PH for 8,820' (about 290' downstream of Buoy FI G-3)	4/07	1,000 to 1,650	1.45	45.0	45.0	45.0	45.0	45.0

**GENERAL NOTE:** The information shown on this sheet(s) represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

**FOOT NOTES:**

**U.S. ARMY ENGINEER DISTRICT, NEW ENGLAND  
CORPS OF ENGINEERS  
696 Virginia Road  
Concord, Massachusetts 01742-2751**

*Sent  
Nov. 08 / 2005  
9:00 am*

**NOV 07 2005**

CENAE-EP-DS (11-2-240a)

MEMORANDUM FOR: See Distribution

SUBJECT: Results of Survey

1. In accordance with department regulations, there is enclosed a drawing showing results of survey in the following Federal project:

Portland Harbor – Portland, ME

2. Controlling depth information for the above project is shown on the enclosed copy of navigation and chart data.

FOR THE COMMANDER:

- 2 Enclosures
- 1. ENG Form 4020-R
- 2. Dwg. No. 2615

STEPHEN A. JOHNSTON  
Chief, Survey Section

DISTRIBUTION:

JOHNSTON  
PROOFREAD

GENERAL

Chief Operations Division, Lyn Preston, Nautical Data Branch/NOAA, N/C26, Station 7350  
1315 East-West Highway, Silver Springs, MD 20910-3282 - 1 copy of drawing, 1 copy of form

USCG District 1(oan), 408 Atlantic Avenue, Boston, MA 02210-3350 - 4 copies of drawing, 4 copies of form

USCG Cutter Willow, NETC Pier 2 – ATTN: Desiree Atnip, Newport, RI 02841 – 1 copy of drawing, 1 copy of form

Kevin J. Blount Chief, Waterways Management & Marine Information Section – First Coast  
Guard District 1 (oan) - 408 Atlantic Ave. Boston, MA 02110 – 3350  
1 copy of drawing, 1 copy of form

## MAINE

Mr. Robert D. Elder, Director, Office of Freight Transportation, Child Street, 16 State House  
Station, Augusta, ME 04333-0016 - 1 copy of drawing, 1 copy of form

U.S. Army Corps of Engineers, LeeAnn B. Neal Maine Project Office, 675 Western Ave. # 3  
Manchester, ME 04351

Federal Consistency/Dredging Coordination – State Planning Office – State House Station 38  
Augusta. ME 04333-0016

US Coast Guard – Clark Point Road – P.O. Box 5000 - Southwest Harbor, ME 04679



**REPORT OF CHANNEL CONDITIONS  
400 FEET WIDE OR GREATER  
(ER 1130-2-316)**

PAGE 1 OF 2 PAGES

DATE: **NOV 07 2005**

TO:

FROM: **U.S. Army Corps of Engineers  
New England District  
696 Virginia Road  
Concord, MA. 01742-2751**

RIVER/HARBOR NAME AND STATE: **Portland Harbor, Portland, ME.**

Dwg. No. 2615, Sheets 1-5 of 5, Dated 14 November 2005

MINIMUM DEPTHS IN  
CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
<b><u>CONDITION SURVEY</u></b>								
<b><u>45-Foot Channel</u></b>								
From about 1,455' seaward of Buoy RW GONG PH upstream 8,811' to limit of 45-foot channel (about 430' seaward of Buoy FI G-3)	02-07/05	1000 to 1200 to 800 to 1650	1.45	45.0	45.0	45.0	45.0	45.0
<b><u>45-Foot House Island Anchorage</u></b>								
From about 275' to 4,225' upstream of Buoy FI Y-A	02-07/05		230 acres	45.0		40.3 <sup>(1)</sup>		
<b><u>35-Foot Channel</u></b>								
Thence upstream about 5,667' (about 200' upstream from Maine State Pier)	02-07/05	1650 to 1100 to 1450 to 1265	.93	35.0	30.8	32.5	34.6	34.9 <sup>(2)</sup>
Thence upstream about 4,089' (about 630' seaward of the Portland Casco Bay Bridge)	02-07/05	1265 to 1165 to 1065 to 785 to 645	.67	35.0	33.2	33.5	33.9	33.6 <sup>(3)</sup>
Thence upstream about 918' (about 125' upstream from the Portland Casco Bay Bridge)	02-07/05	645 to 250 to 310	.15	35.0	25.5 <sup>(4)</sup>	35.0	35.0	34.7

**GENERAL NOTE:** The information shown on this sheet(s) represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

**FOOT NOTES:**

- (1). Except for shoaling to 39.8' within 10' along east anchorage limit from about 1,000' to 1,200' upstream of Buoy RN-6.
- (2). Except for shoaling to 31.9' within 30' along north channel limit.
- (3). Except for shoaling to 31.4' within 25' along north channel limit and encroachment of piles and floats within 5' of north channel limit in vicinity of Chandlers Wharf.
- (4). Except for shoaling to 17.9' within 20' along south channel limit located vicinity of seaward side of Portland Casco Bay Bridge.

**REPORT OF CHANNEL CONDITIONS**  
**400 FEET WIDE OR GREATER**  
**(ER 1130-2-316)**

PAGE 2 OF 2 PAGES

DATE: **NOV 07 2005**

T0:

FROM: **U.S. Army Corps of Engineers**  
**New England District**  
**696 Virginia Road**  
**Concord, MA. 01742-2751**

RIVER/HARBOR NAME AND STATE: **Portland Harbor, Portland, ME.**  
Dwg. No. 2615, Sheets 1-5 of 5, Dated 10 November 2005

MINIMUM DEPTHS IN  
CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
<b><u>CONDITION SURVEY</u></b>								
<b><u>35-Foot Channel</u></b>								
Thence upstream about 4,145' to 175' upstream of Buoy FI G-5	02-07/05	310 to 595 to 400	.68	35.0	<sup>(5)</sup> 34.9	34.9	34.7	<sup>(6)</sup> 33.9
Thence upstream about 3,188' to about 562' upstream of Buoy FI R-6	02-07/05	400 to 900 to 300	.52	35.0	<sup>(7)</sup> 33.3	33.7	34.2	<sup>(8)</sup> 34.2
Thence upstream about 355' to upstream end of Federal Navigation Project	02-07/05	190	.06	35.0	35.0	35.0	34.7	34.7

**GENERAL NOTE:** The information shown on this sheet(s) represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

**FOOT NOTES:**

- (5). Except for isolated shoal to 34.4' within 10' of south channel limit located in the vicinity of Buoy FI G-1.  
(6). Except for shoaling to 32.5' within 20' along north channel limit.  
(7). Except for shoaling to 32.2' within 20' along south channel limit.  
(8). Except for shoaling to 31.2' within 20' along north channel limit.

U.S. ARMY ENGINEER DISTRICT, NEW ENGLAND  
CORPS OF ENGINEERS  
696 Virginia Road  
Concord, Massachusetts 01742-2751

*mailed out*  
*11.30 am*  
*✓*

CENAE-EP-DS (11-2-240a)

JAN 23 2004

MEMORANDUM FOR: See Distribution

SUBJECT: Results of Survey

1. In accordance with department regulations, there is enclosed a drawing showing results of survey in the following Federal project:

Portland Harbor (Back Cove), ME

2. Controlling depth information for the above project is shown on the enclosed copy of navigation and chart data.

FOR THE COMMANDER:

2 Enclosures  
1. ENG Form 4020-R  
2. Dwg. No. 2553

STEPHEN A. JOHNSTON  
Chief, Survey Section



JOHNSTON  
PROOFREAD

DISTRIBUTION:

GENERAL

Chief Operations Division, Lyn Preston, Nautical Data Branch/NOAA, N/C26, Station 7350  
1315 East-West Highway, Silver Springs, MD 20910-3282 - 1 copy of drawing, 1 copy of form

USCG District 1(oan), 408 Atlantic Avenue, Boston, MA 02210-3350 - 4 copies of drawing, 4 copies of form

NOAA Ship WHITING, Atlantic Marine Center, 439 West York Street, Norfolk, VA 23510 - 1 copy of drawing, 1 copy of form

USCG Cutter Willow, NETC Pier 2 – ATTN: Desiree Atnip, Newport, RI 02841 - 1 copy of drawing, 1 copy of form

Mr. Robert Duncan, 76 Upland Road, Concord, MA 01742 - 1 copy of drawing, 1 copy of form

## MAINE

Mr. Robert D. Elder, Director, Office of Freight Transportation, Child Street, 16 State House Station, Augusta, ME 04333-0016 - 1 copy of drawing, 1 copy of form

U.S. Army Corps of Engineers, LeeAnn B. Neal Maine Project Office, 675 Western Ave. # 3  
Manchester, ME 04351

Federal Consistency/Dredging Coordination – State Planning Office – State House Station 38  
Augusta. ME 04333

US Coast Guard – Clark Point Road – P.O. Box 5000 - Southwest Harbor, ME 04679

**REPORT CHANNEL CONDITIONS**  
**100 TO 400 FEET WIDE**  
**(ER 1130-2-316)**

PAGE 1 OF 1 PAGES

DATE:

TO:

FROM: U.S. Army Corps of Engineers  
 New England District  
 696 Virginia Road  
 Concord, MA. 01742-2751

RIVER/HARBOR NAME AND STATE: Back Cove, Portland Harbor, ME

Dwg. No. 2553, Sheets 1 & 2 of 2, Dated 22, January 2004

MINIMUM DEPTHS IN  
 CHANNEL ENTERING FROM SEAWARD

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH Nautical (miles)	MLLW DEPTH (feet)			
<b><u>CONDITION SURVEY</u></b> <b><u>30-Foot Approach Channel</u></b>							
From about 210' seaward of Buoy GC-5 upstream 2,620' (about 445' upstream of Buoy RN-8).	5/00	500' To 300'	.43	30'	21.0 (1)	19.0 (2)	18.3
<b><u>14-Foot Federal Channel</u></b>							
From about 180' seaward of center line of Railroad Bridge upstream 310'.	5/00	50'	.05	14'		7.5	
Thence upstream 1,490' to end of 14 foot channel.	5/00	300'	.25	14'	6.0 (3)	13.2	13.5
<b><u>12-Foot Federal Channel</u></b>							
From about 210' seaward of center line of fixed Bridge upstream 2100' to end of Federal Navigation Project.	5/00	300'	.35	12'	8.3 (4)	3.5	3.0

**GENERAL NOTE:** The information shown on this sheet(s) represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

**FOOT NOTES:**

- (1). Except for shoaling to 12.9' from vicinity of Buoy RN-8 upstream 450' to end of 30' channel.
- (2). Except for shoaling to 15.5' from about 180' upstream from Buoy RN-8 upstream 260' to end of 30' channel.
- (3). Shoaling is located from about 520' to 720' upstream of Railroad Bridge, 12.9' available elsewhere.
- (4). Except for shoaling to 4.4' in last 300' of Federal navigation project.